use of the abbreviation TDD as a multiple access technique indicates either a complete misunderstanding of both the Omnipoint system and the applicable technology or gross inattention to the details of Omnipoint's operations. If the Commission can make such an obvious mistake concerning one of the fundamental aspects of the Omnipoint system, it cannot assert that it has thoroughly examined the Omnipoint technology and properly determined that Omnipoint deserves a pioneer's preference.

Additionally, the Commission attributes qualities to the Omnipoint system that even Omnipoint does not. The Commission states that "in PP-58 Omnipoint requests a preference for developing 2 GHz spread spectrum equipment that it demonstrated to be capable of being used to provide voice, data and PCS video services." This statement is wrong on two counts. First, Omnipoint never made any such claim in PP-58. Second, neither Omnipoint nor anyone else has demonstrated that the Omnipoint system is capable of being used for anything other than voice.

QUALCOMM also notes the Commission's impermissible reliance on the Omnipoint Semi-Annual Experimental License Progress Report dated August 1993, which was the subject of a QUALCOMM motion to strike. QUALCOMM informed the Commission that it believed the Progress Report constituted a prohibited ex parte presentation as well as an untimely pleading in the pioneer's preference component of GEN Docket 90-314. The Third Report and Order did not address QUALCOMM's motion, but did rely on Omnipoint's Progress Report. That progress report was not only a report of Omnipoint's tests; it was an exercise in advocacy in which Omnipoint unfairly and incorrectly criticized the QUALCOMM CDMA system. The courts have insisted that:

<sup>69/</sup> *Id.* at ¶ 63.

<sup>&</sup>lt;sup>20</sup>/ *Id.* at ¶ 56 n.68.

See QUALCOMM Motion to Strike Omnipoint Semi-Annual Experimental License Progress Report, GEN Docket No. 90-314 (Sept. 15, 1993).

<sup>72/</sup> Third Report and Order at ¶56 n.68.

information in agency files or consultant's reports which the agency has identified as relevant to the proceeding be disclosed to the parties for adversarial comment. [23]

The Commission's cavalier disregard for the requirements of its own ex parte rules, as well as its failure to maintain even minimal procedural standards for the functioning of agency decision-making and judicial review, make reconsideration of the *Third Report and Order* a necessity.

## C. Grant of a Preference to Omnipoint Undermines the Policies Behind the Pioneer's Preference Rules

The grant of a preference to Omnipoint undermines the policies which the Commission sought to foster through the creation of the pioneer's preference rules and makes it difficult, it not impossible, to assure compliance with the *Third Report and Order*. The rules are structured to promote the disclosure of innovative ideas and developments in order to foster the implementation of new services. In return for disclosing proprietary information, the otherwise qualified innovator is given an automatic right to obtain a license for the new service. Here, Omnipoint has failed to disclose many of the key elements of its proposed technology, undermining the justification for awarding Omnipoint a preference.<sup>74/</sup>

Although Omnipoint has filed voluminous pleadings and reports with the Commission,
Omnipoint has repeatedly refused to reveal some of the most critical details of its PCS system.<sup>75/</sup>

Home Box Office, Inc. v. FCC, 567 F.2d 9, 55 (D.C. Cir. 1977), cert. denied, 434 U.S. 829 (1977); U.S. Lines v. Federal Maritime Commission, 584 F.2d 519 (D.C. Cir. 1978); Portland Cement Ass'n v. Ruchelshaus, 486 F.2d 375 (D.C. Cir. 1973), cert. denied, 417 U.S. 921 (1974).

In the Notice of Proposed Rule Making considering the proposal to create a pioneer's preference, the Commission recognized that innovators were hesitant to reveal the technology underlying their proposals because the Commission's rules provided little guarantee that the innovator would subsequently receive a license to provide the service. See Establishment of Procedures to Provide a Preference to Applicants Proposing an Allocation for New Services, GEN Docket No. 90-217, 5 FCC Rcd 2767 (1990). As a result, otherwise useful information concerning innovative technology and services was not being brought to the public. Thus, the pioneer's preference rules are structured in such a way as to promote disclosure by requiring that the innovator report the details of his or her proposal through either experimental reports or a detailed technical showing of the feasibility of the proposal.

In its 1992 pioneer's preference request, Omnipoint stated, "Omnipoint's microcell uses a proprietary technique to manage communications to the handsets. . . ." Omnipoint's Pioneer's Preference Request, PP-58 at 19 (May 4, 1993) (emphasis added). Similarly, Omnipoint's Reply Comments stated, "Through the use of a proprietary (continued...)

Without this information, it is impossible for outside parties to fully understand the Omnipoint system, let alone to build upon Omnipoint's claimed developments. Furthermore, without this information, the Commission may well be unable to ensure compliance with the requirement that "each licensee must build a system that substantially uses the design and technologies upon which its preference award is based." To grant a preference in this circumstance where the "innovator" has intentionally refused to reveal key elements of its technology flies in the face of the policies and goals underlying the pioneer's preference rules.

## IV. THE COMMISSION APPLIED INCONSISTENT STANDARDS

Omnipoint's pioneer's preference request is apparently based on its development of "the first 1850-2200 MHz handheld phone." In its pioneer preference request Omnipoint stated that "the most significant difference" characterizing its request from others was at that it has "productized for delivery to experimental license holders revolutionary spread spectrum wireless pocket phones and base stations." Yet Omnipoint has done nothing more than adapt its cordless telephone to the 2 GHz PCS environment. At the same time that the Commission granted Omnipoint a preference for work adapted from its 900 MHz cordless telephone, the Commission denied QUALCOMM's pioneer's preference application by finding that "most of the technical developments and patents associated with QUALCOMM's proposal were developed for implementation of its 800 MHz digital

<sup>&</sup>lt;sup>75</sup>(...continued)
coding scheme. . . . " Omnipoint Reply Comments, GEN Docket No. 90-314 at 22 (June 25, 1992) (emphasis added). In addition, its May 1992 experimental report contains several pages that are marked "This figure withheld from public disclosure."

<sup>76/</sup> Third Report and Order at ¶ 302.

*<sup>&</sup>quot;*/ *Id*. at ¶ 51.

Omnipoint Pioneer's Preference Request, PP-58 at 1 (May 4, 1992) (emphasis in original).

There is no evidence that Omnipoint ever delivered anything other than 900 MHz equipment prior to the Commission's *Tentative Decision*. See discussion above at Parts II, A, 2, a through c. In addition, QUALCOMM's review of the experimental reports filed in this proceeding clearly shows that Omnipoint's 1800 MHz equipment has the same essential characteristics as its 902-928 MHz equipment.

cellular system."<sup>80</sup> Adapting this work to the 2 GHz system is not "innovative" according to the Third Report and Order.

Omnipoint itself characterizes its "pioneering" work as falling into three broad areas, the first of which is:

RF (Radio Frequency Engineering) and specifically spread spectrum product design, development, miniaturization and development.<sup>81</sup>/

It is astounding that the Commission would, on the one hand, find that "transferring a technology from an existing service in a lower band to a 'new' service in a higher band" does not warrant a preference, 82/ and then, on the other hand, award Omnipoint a preference for doing precisely that. By this trick of legerdemain the Commission has withheld from QUALCOMM what it deserves and awarded to Omnipoint what it does not.

It appears that the Commission has applied different criteria to the work of QUALCOMM and Omnipoint. The Commission denied QUALCOMM a preference because of its erroneous conclusion that it merely adapted earlier work but granted Omnipoint a preference for adapting its ISM band equipment to the PCS band. Nowhere in the *Third Report and Order* does the Commission reconcile this unequal treatment of the two companies. Whatever the reasoning behind the decision, the *Third Report and Order* affords dissimilar treatment to similarly situated parties.<sup>83</sup>/

 $<sup>\</sup>frac{80}{}$  Third Report and Order at ¶ 266.

Omnipoint Pioneer's Preference Request, PP-58 at 11 (May 4, 1992). Interestingly, in the *Tentative Decision*, the Commission recited virtually verbatim the language of the Omnipoint request as justification for its conclusion that Omnipoint merited a pioneer's preference. This is decision-making in the "Why? Because they said so." school.

Review of the Pioneer's Preference Rules, ET Docket No. 93-266, 8 FCC Rcd 7692, 7694 ¶ 17 (1993).

QUALCOMM notes that no 800 MHz cellular service is being offered today using CDMA technology while there are several companies offering spread spectrum cordless telephones that operate in the unlicensed bands.

The Commission also inconsistently applied its procedural standards. On August 30, 1993, the Commission denied QUALCOMM's request to submit supplemental comments because they were untimely filed. However, it accepted and used a September 29, 1993 unauthorized pleading from Omnipoint on the merits of its preference request, which pleading contained statements from Omnipoint's reply to QUALCOMM's rejected pleading.

## V. CONCLUSION

QUALCOMM encourages the Commission to reconsider its *Third Report and Order* as detailed above.

Respectfully submitted,

QUALCOMM Incorporated

By:

Veronica M. Ahern Albert Shuldiner

Kevin J. Kelley Vice President, External Affairs QUALCOMM Incorporated 1233 20th Street, N.W. Suite 202 Washington, D.C. 20036 (202) 223-1720

March 30, 1994

Nixon, Hargrave, Devans & Doyle One Thomas Circle, N.W. Suite 800 Washington, D.C. 20005 (202) 457-5300

Its Attorneys

## **CERTIFICATE OF SERVICE**

I, Albert Shuldiner, hereby certify that copies of the foregoing Petition for Reconsideration of QUALCOMM Incorporated were served via first-class, postage-prepaid mail, or by hand delivery where indicated by an asterisk (\*), on this 30th day of March, 1994, to the parties listed below.

Chairman Reed Hundt\*
Federal Communications Commission
1919 M Street, N.W., Room 814
Washington, D.C. 20554

Commissioner James H. Quello\* Federal Communications Commission 1919 M Street, N.W., Room 802 Washington, D.C. 20554

Commissioner Andrew C. Barrett\* Federal Communications Commission 1919 M Street, N.W., Room 844 Washington, D.C. 20554

A. Richard Metzger, Jr.\* Acting Chief Common Carrier Bureau Federal Communications Commission 1919 M Street, N.W., Room 500 Washington, D.C. 20554

Dr. Thomas P. Stanley\* Chief Engineer Federal Communications Commission 2025 M Street, N.W., Room 7002 Washington, D.C. 20554

H. Stuart F. Feldstein, Esq. Richard Rubin, Esq. Associated PCN Company c/o Fleischman and Walsh 1400 16th Street, N.W. Washington, D.C. 20036

Randall D. Fisher, Esq. Daniel V. Liberatore, P.E. Adelphia Communications Corp. 5 West Third Street Coudersport, PA 16915 William Kennard\*
Office of General Counsel
Federal Communications Commission
1919 M Street, N.W., Room 614
Washington, D.C. 20554

Mr. Harold C. Davis Chief Technical Officer Advanced MobileComm Technologies, Inc. 82 Devonshire Street, R25D Boston, MA 02109

Francine J. Berry, Esq. David P. Condit, Esq. Seth S. Gross, Esq. 295 North Maple Avenue, Room 3244J1 Basking Ridge, New Jersey 07920

Mr. Robert Ross Gray American TeleZone 13103 N. Moss Creek Cypress, Texas 77429

JoAnne G. Bloom, Esq. Robert Reiland, Esq. Ameritech 30 South Wacker Drive, Suite 3900 Chicago, Illinois 60606

Mark S. Fowler, Esq.
James H. Barker, Esq.
Bell Atlantic Personal Communications, Inc.
c/o Latham & Watkins
1001 Pennsylvania Avenue, N.W., Suite 1300
Washington, D.C. 20004

Dennis F. Begley, Esq. Broadband Communications Corporation 1818 N Street, N.W., Suite T20 Washington, D.C. 20036 James F. Ireland, Esq. Cable USA, Inc. c/o Cole, Raywid & Braverman 1919 Pennsylvania Avenue, N.W. Washington, D.C. 20006-3458

Peter Casciato, Esq. Cellular Service, Inc. c/o Law Offices of Peter Casciato Roundhouse Plaza 1500 Sansome Street, Suite 201 San Francisco, CA 94111

Judith St. Ledger-Roty, Esq. W. Theodore Pierson, Jr., Esq. Nancy J. Thompson, Esq. Cellular Service, Inc. c/o Reed Smith Shaw & McClay 1200 18th Street, N.W. Washington, D.C. 20036

Mr. John D. Lockton Managing Partner Corporate Technology Partners 520 S. El Camino Real San Mateo, CA 94010

Werner Hartenberger, Esq. Jonathan M. Levy, Esq. Laura Phillips, Esq. Cox Enterprises, Inc. c/o Dow, Lohnes & Albertson 1255 23rd Street, N.W., Suite 500 Washington, D.C. 20037

David C. Jatlow, Esq. Ericsson Business Communications, Inc. c/o Young & Jatlow 2300 N Street, N.W., Suite 600 Washington, D.C. 20037

Harold Mordkofsky, Esq. Robert M. Jackson, Esq. Freeman Engineering Associates, Inc. c/o Blooston, Mordkofsky, Jackson & Dickens 2120 L Street, N.W. Washington, D.C. 20037

Mark Tauber Ronald L. Plesser Mark J. O'Connor Piper & Marbury 1200 19th Street, N.W., Suite 700 Washington, D.C. 20036 James U. Troup, Esq. Iowa Network Services, Inc. Arter & Hadden 1801 K Street, N.W., Suite 400K Washington, D.C. 20006

Douglas G. Smith President Omnipoint Communications 7150 Campus Drive Colorado Springs, Colorado 80920

Mr. Tom Alberg Executive Vice-President McCaw Cellular Communications 5400 Carillon Point Kirkland, Washington 98033

Mr. Richard Brass President Oracle Data Publishing, Inc. 500 108th Avenue, N.E., Suite 1750 Bellvue, WA 98004-5500

Stuart F. Feldstein, Esq. Omnipoint Mobile Data Co. c/o Fleischman and Walsh 1400 Sixteenth Street, N.W. Washington, D.C. 20036

James P. Tuthill, Esq.
Betsy Stover Granger
Pacific Bell
140 New Montgomery Street, Room 1525
San Francisco, California 94105

James L. Wurtz, Esq. Pacific Bell 1275 Pennsylvania Avenue, N.W. Washington, D.C. 20004

Carl W. Northrop, Esq. Bryan Cave Pactel Corporation 700 13th Street, N.W. Washington, D.C. 20005

Mark A. Stachiw, Esq. PacTel Corporation 1221 Merit Drive, Suite 800 Dallas, Texas 75251 Jeffrey Blumenfeld, Esq. Charon J. Harris, Esq. Glenn B. Manishin, Esq. PageMart, Inc. c/o Blumenfeld & Cohen 1615 M Street, N.W., Suite 700 Washington, D.C. 20036

Caressa D. Bennet, Esq. Panhandle Telephone c/o Blooston, Mordkofsky, Jackson & Dicksens 2120 L Street, N.W. Washington, D.C. 20037

Mr. Richard G. Tomlinson PCN Communications, Inc. 2906 Main Street Glastonbury, Connecticut 06033

A. Thomas Carroccio, Esq. Pulson Communications Corp. c/o Santarelli, Smith & Carroccio 1155 Connecticut Avenue, N.W. Washington, D.C. 20036-4308

Peter Tannenwald, Esq.
Radio Telecom and Technology, Inc.
c/o Arent, Fox, Kintner, Plotkin
& Kahn
1050 Connecticut Avenue, N.W.
Washington, D.C. 20036-5339

James F. Ireland, Esq. SATCOM, Inc. c/o Cole, Raywid & Braverman 1919 Pennsylvania Avenue, N.W. Washington, D.C. 20006-3458

James F. Ireland, Esq. TeleCable Corporation c/o Cole, Raywid & Braverman 1919 Pennsylvania Avenue, N.W. Washington, D.C. 20006-3458

Frederick M. Joyce, Esq. Christine McLaughlin, Esq. LDH International, Inc. Goeken Custom Communications, Inc. 2300 M Street, N.W., 8th Floor Washington, D.C. 20037 David J. Kaufman, Esq. Greenline, Inc. c/o Brown, Finn & Nietert, Chartered 1920 N Street, N.W., Suite 660 Washington, D.C. 20036

Albert H. Kramer, Esq. Tele-Financing Corp. Inc. Keck, Mahin & Cate 1201 New York Avenue, N.W. Washington, D.C. 20005-3919

Randall B. Lowe, Esq. John E. Hoover, Esq. Litel Telecommunications Corp. c/o Jones, Day, Reavis & Pogue 1450 G Street, N.W. Washington, D.C. 20005-2088

Mr. Bernard C. Nelson President Cerberus Consulting Corp. 35 Toni Drive Englewood Cliffs, New Jersey 07632

J. Bradford Shiley, Esq. Pathfinder Ventures, Inc. 4640 S.W. Macadam, Suite 270 Portland, OR 97201

Paul J. Sinderbrand, Esq. Dawn G. Alexander, Esq. Sinderbrand & Alexander 888 16th Street, N.W., Suite 610 Washington, D.C. 20006

Thomas E. Taylor, Esq. James F. Lummanick, Esq. Lisa A. Thornton, Esq. Cincinnati Bell Telephone Co. c/o Frost & Jacobs 2500 Central Trust Center 201 East Fifth Street Cincinnati, Ohio 45202

Donald L. Schilling
President
SCS Mobilcom, Inc.
85 Old Shore Road, Suite 200
Port Washington, New York 11050

Mr. Sanjay B. Moghe President SM Tek, Inc. 1021 Warwick Circle Hoffman Estates, Illinois 60194

Victor J. Toth, Esq. SM Tek, Inc. c/o Law Offices of Victor J. Toth 2719 Soapstone Drive Reston, Virginia 22091

Mr. J. Daniel Bariault President Spatial Communications, Inc. 1001 Fourth Avenue Plaza, Suite 3200 Seattle, Washington 98154

Jerome K. Blask, Esq. Coleen M. Egan, Esq. Spatial Communications c/o Gurman, Kurtis, Blask & Freedman 1400 16th Street, N.W., Suite 500 Washington, D.C. 20036

Henry M. Rivera, Esq. Larry S. Solomon, Esq. The Suite 12 Group c/o Ginsburg, Feldman & Bress 1250 Conn. Ave, N.W., Suite 800 Washington, D.C. 20036

James E. Meyers, Esq. Tele-Communications, Inc. c/o Baraff, Koerner, Olender & Hochbert, P.C. 5335 Wisconsin Ave., N.W, Suite 300 Washington, D.C. 20015

Raymond G. Bender, Jr., Esq. Michael D. Basile, Esq. Deborah R. Broughton, Esq. TRX Transportation Telephone Co. Dow, Lohnes & Albertson 1255 23rd Street, N.W. Washington, D.C. 20037

Barbara C. Anderson, Esq. Vice President and General Counsel Executone Information Systems 6 Thorndal Circle Darien, CT 06820 Leonard J. Baxt, Esq. Leonard J. Kennedy, Esq. Laura H. Phillips, Esq. Personal Communications Service c/o Dow, Lohnes & Albertson 1255 23rd Street, N.W. Washington, D.C. 20037

Caressa D. Bennett, Esq.
Paramount Wireless Limited
Middle Georgia Personal Com. Inc.
Tri-Star Communications
c/o Kraskin & Associates
2120 L Street, N.W., Suite 810
Washington, D.C. 20037

Mr. Charles L. Davis Vice President Advanced Product Development Protocol Systems Inc. 8500 SW Creekside Place Beaverton, OR 97005

Russell H. Fox, Esq.
All Star Communications
Data & Voice of America
c/o Gardner, Carton & Douglas
1301 K Street, N.W., Suite 300 East Tower
Washington, D.C. 20005

William J. Franklin, Esq. Wireless Communication Services c/o Pepper & Corazzini 1776 K Street, N.W., Suite 200 Washington, D.C. 20006

Kenneth E. Hardman, P.C. Advanced Tel., Inc. Reserve Communications and Computer Corp. 1255 23rd Street, N.W., Suite 800 Washington, D.C. 20037-1170

John W. Hunter, Esq. Rock Hill Telephone Co. c/o McNair Law Firm, P.A. 1155 Fifteenth Street, N.W. Washington, D.C. 20005

Daniel L. Bart, Esq. GTE Service Corporation 1850 M Street, N.W., Suite 1200 Washington, D.C. 20036 Mr. J. Barclay Jones Vice President, Engineering American Personal Communications 1025 Connecticut Avenue, N.W. Washington, D.C. 20036

Jonathan D. Blake, Esq. Kurt A. Wimmer, Esq. Ellen K. Snyder, Esq. Thomas A. Robertson Ronald J. Krotosynski, Jr., Esq. American Personal Communications c/o Covington & Burling 1201 Pennsylnvania Avenue, N.W. P.O. Box 7566 Washington, D.C. 20044

Randall B. Lowe, Esq. John E. Hoover, Esq. Litel Telecommunications Corp. c/o Jones, Day Reavis & Pogue 1450 G Street, N.W. Washington, D.C. 20005-2088

George Y. Wheeler, Esq. American Portable Telecommunications, Inc. c/o Koteen & Naftalin 1150 Connecticut Avenue, N. W., Suite 1000 Washington, D.C. 20036

Andrew D. Lipman, Esq. Shelley L. Spencer, Esq. Personal Communications Ntwk Svcs of New York, Inc. c/o Swidler & Berlin, Chartered 3000 K Street, N.W., Suite 300 Washington, D.C. 20007

Brenda L. Fox, Esq.
Leonard J. Kennedy, Esq.
Melissa Rogers, Esq.
Comcast PCS Communications, Inc.
c/o Dow Lohnes & Albertson
1255 23rd Street, N.W., Suite 500
Washington, D.C. 20037

Dennis R. Patrick
President & CEO
Lisa A. Hook
Chief Operating Officer
Time Warner Communications, Inc.
1776 Eye Street, N.W.
Washington, D.C. 20006

Charles D. Ferris, Esq.
Howard J. Symons
James A. Kirkland
Cablevision Systems Corp.
c/o Mintz, Levin, Cohn, Ferris, Glovsky
and Popeo, P.C.
701 Pennsylvania Avenue, N.W., Suite 900
Washington, D.C. 20004

William J. Free, Esq. Mark P. Royer, Esq. Southwestern Bell Personal Communications, Inc. One Bell Center, Room 3512 St. Louis, MO 63101-3099

Martin E. Grambow, Esq. Southwestern Bell Personal Communications, Inc. 1667 K Street, N.W., Suite 1000 Washington, D.C. 20006

Robert S. Foosaner, Esq. Lawrence R. Krevor, Esq. Fleet Call, Inc. 601 13th Street, N.W., Suite 1110 South Washington, D.C. 20005

Jay E. Ricks, Esq.
Gardner F. Gillespie, Esq.
Joel S. Winnek, Esq.
PCN America, Inc.
c/o Hogan & Hartson
555 13th Street, N.W.
Washington, D.C. 20004

George H. Shapiro Viacom International, inc. c/o Arent, Fox, Kintner, Plotkin & Kahn 1050 Connecticut Avenue, N.W. Washington, D.C. 20036-5339

Lawrence J. Movshin, Esq. Thelan, Marrin, Johnson & Bridges 805 15th Street, N.W. Washington, D.C. 20005-2207

Richard McKenna GTE Service Corporation P.O. Box 152092 Irving, TX 75015-2092 Joan M. Griffin GTE Service Corporation 1850 M Street, N.W., Suite 1200 Washington, D.C. 20036

Charles F. Wright Centel Corporation 8725 Higgins Street Chicago, IL 60631

Ivan G. Stiglitz, Leader Advanced Techniques Group Massachusetts Institute of Technology Lincoln Laboratory 244 Wood Street Lexington, MA 02173-9108

Larry A. Blosser Donald J. Elardo MCI Telecommunications Corp. 1801 Pennsylvania Avenue, N.W. Washington, D.C. 20006

Tom Alberg, Executive Vice President McCaw Cellular Communications, Inc. 5400 Carillon Point Krikland, WA 98033

John P. Bankson, Jr., Esq. Joe D. Edge Hopkins & Sutter 888 Sixteenth Street, N.W. Washington D.C. 20006

Robert B. Kelly Advanced Mobilecomm Technologies, Inc. Digital Spread Spectrum Technologies, Inc. 1920 N Street, N.W., Suite 660 Washington, D.C. 20036 Winston E. Hinsworth President Tel / Logic, Inc. 51 Shore Drive Plandome, NY 11030

Terrence P. McGarty
The Telemarc Group Inc., and Telmarc
Telecommunications, Co.
265 Franklin Street
Boston, MA 02110

David R. Siddall\*
Office of Engineering and Technology
Federal Communications Commission
2025 M Street, N.W., Room 7102-A
Washington, D.C. 20554

Rodney Small\*
Office of Engineering & Technology
Federal Communications Commission
2025 M Street, N.W., Room 7332
Washington, D.C. 20554

Thomas Derenge\*
Office of Engineering & Technology
Federal Communications Commission
2025 M Street, N.W., Room 7332
Washington, D.C. 20554

Edward Schor General Counsel / Communications Viacom International, Inc. 1515 Broadway New York, New York 10036

Margaret deB. Brown Pacific Telesis Group 1818 N Street, N.W. Washngton, D.C. 20036

Albert Shuldiner

NOT Shulph